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Terms	Documents
oxoacid adj dehydrogenase	8

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saved answer sets no longer valid  
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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
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0.21	0.21

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=> s oxoacid(w)dehydrogenase(w)complex

L1 148 OXOACID(W) DEHYDROGENASE(W) COMPLEX

=> duplicate remove l1

DUPLICATE PREFERENCE IS 'AGRICOLA, BIOSIS, CAPLUS, EMBASE'

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L2 87 DUPLICATE REMOVE L1 (61 DUPLICATES REMOVED)

=> s l2 and PHA

L3 1 L2 AND PHA

=> s l2 and plant

L4 1 L2 AND PLANT

=> d l4 1

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

AN 1999:35006 CAPLUS

DN 130:106028

TI Use of DNA encoding plastid pyruvate dehydrogenase and branched chain  
oxoacid dehydrogenase components to enhance polyhydroxyalkanoate  
biosynthesis in **plants**

IN Randall, Douglas R.; Johnston, Mark L.; Miernyk, Jan A.; Luethy, Michael  
H.; Mooney, Brian P.

PA University of Missouri, USA

SO PCT Int. Appl., 151 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9900505	A1	19990107	WO 1998-US13406	19980630
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	AU 9884731	A1	19990119	AU 1998-84731	19980630
	US 6143561	A	20001107	US 1998-108020	19980630
PRAI	US 1997-51291P	P	19970630		

US 1997-55255P P 19970801  
US 1998-76544P P 19980302  
US 1998-76554P P 19980302  
WO 1998-US13406 W 19980630  
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=> d l2 and PHBV

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L2 ANSWER 1 OF 87 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

AB Several distinct conditions are characterized by a reduction in the number of small and medium-sized intrahepatic bile ducts. These diseases are associated with progressive cholestasis, which in turn leads to biliary fibrosis and ultimately cirrhosis. The best-characterized ductopenic condition in adulthood is primary biliary cirrhosis (PBC) for which there is now strong evidence of an autoimmune cause. The antigenic targets are epitopes on proteins of the **2-oxoacid dehydrogenase complex** within mitochondria. Some of these proteins appear to be aberrantly expressed at the surface of cholangiocytes in PBC. The basis for the breakdown in tolerance remains uncertain, although there is recent evidence to indicate that apoptosis may play a key role at early stages in the pathogenesis of the disease. Related conditions include autoimmune overlap syndromes and AMA-negative PBC (autoimmune cholangitis). Primary sclerosing cholangitis is clinically and histologically distinct, although there is evidence that it also may have an immune-mediated cause. Ductopenia may also arise on the basis of drug-induced injury; the best example of this is progressive cholestasis complicating chlorpromazine therapy.

=> s l2 and PHBV

L5 0 L2 AND PHBV

=> s l2 and bacteria

L6 8 L2 AND BACTERIA

=> d l6 1-8

L6 ANSWER 1 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AN 2002:140697 BIOSIS

DN PREV200200140697

TI Autoreactive T cell clones in patients with primary biliary cirrhosis:  
Evidence of cross-reactivity with E. coli OGDC-E2 and human mitochondrial autoantigens.

- AU Tanimoto, Hironori (1); Shimoda, Shinji (1); Kawano, Satoshi (1);  
Nakamura, Minoru (1); Hayashida, Kazuhiro (1); Gershwin, M. Eric;  
Ishibashi, Hiromi  
CS (1) First Department of Internal Medicine, Faculty of Medicine, Kyushu  
University, Fukuoka Japan  
SO Hepatology, (October, 2001) Vol. 34, No. 4 Pt. 2, pp. 366A.  
<http://hepatology.aasldjournals.org/scripts/om.dll/serve?action=searchDB&searchDBfor=home&id=jhep>. print.  
Meeting Info.: 52nd Annual Meeting and Postgraduate Courses of the  
American Association for the Study of Liver Diseases Dallas, Texas, USA  
November 09-13, 2001  
ISSN: 0270-9139.  
DT Conference  
LA English
- L6 ANSWER 2 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 2000:305109 BIOSIS  
DN PREV200000305109  
TI 2-Oxoacid dehydrogenase multienzyme complexes in the halophilic Archaea?  
Gene sequences and protein structural predictions.  
AU Jolley, Keith A.; Maddocks, Deborah G.; Gyles, Shan L.; Mullan, Zoe; Tang,  
Sen-Lin; Dyall-Smith, Michael L.; Hough, David W.; Danson, Michael J. (1)  
CS (1) Centre for Extremophile Research, Department of Biology and  
Biochemistry, University of Bath, Bath, BA2 7AY UK  
SO Microbiology (Reading), (May, 2000) Vol. 146, No. 5, pp. 1061-1069. print.  
ISSN: 1350-0872.  
DT Article  
LA English  
SL English
- L6 ANSWER 3 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1998:27741 BIOSIS  
DN PREV199800027741  
TI Activation of mitochondrial 2-oxoacid dehydrogenases by thioredoxin.  
AU Bunik, Victoria (1); Follmann, Hartmut; Bisswanger, Hans  
CS (1) A.N. Belozersky Inst. Physico-Chem. Biol., Moscow State Univ., 119899  
Moscow Russia  
SO Biological Chemistry, (Oct., 1997) Vol. 378, No. 10, pp. 1125-1130.  
ISSN: 1431-6730.  
DT Article  
LA English
- L6 ANSWER 4 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1998:342 BIOSIS  
DN PREV199800000342  
TI Receptor site and stereospecificity of dihydrolipoamide dehydrogenase for  
R- and S-lipoamide: A molecular modeling study.  
AU Raddatz, G.; Bisswanger, H. (1)  
CS (1) Physiologisch-Chemisches Inst., Eberhard-Karls Univ. Tuebingen,  
D-72076 Tuebingen Germany  
SO Journal of Biotechnology, (Oct. 17, 1997) Vol. 58, No. 2, pp. 89-100.  
ISSN: 0168-1656.  
DT Article  
LA English
- L6 ANSWER 5 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1995:459579 BIOSIS  
DN PREV199598473879  
TI Using lipoate enantiomers and thioredoxin to study the mechanism of the  
2-oxoacid-dependent dihydrolipoate production by the 2-oxoacid  
**dehydrogenase complexes.**  
AU Bunik, V. (1); Shoubnikova, A.; Loeffelhardt, S.; Bisswanger, H.; Borbe,  
H. O.; Follmann, H.  
CS (1) A.N. Belozersky Inst. Physico-Chemical Biol., Moscow State Univ.,

Moscow 119899 Russia

SO FEBS Letters, (1995) Vol. 371, No. 2, pp. 167-170.  
ISSN: 0014-5793.

DT Article  
LA English

L6 ANSWER 6 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1995:443934 BIOSIS  
DN PREV199598458234  
TI Purification and properties of the lipoate protein ligase of Escherichia coli.  
AU Green, Dawn E.; Morris, Timothy W.; Green, Jeffrey; Cronan., John E., Jr.; Guest, John R. (1)  
CS (1) Krebs Inst. Biomolecular Res., Dep. Mol. Biol. Biotechnol., Univ. Sheffield, PO Box 594, Firth Court Western Bank, Sheffield S10 2UH UK  
SO Biochemical Journal, (1995) Vol. 309, No. 3, pp. 853-862.  
ISSN: 0264-6021.  
DT Article  
LA English

L6 ANSWER 7 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1993:482741 BIOSIS  
DN PREV199396116341  
TI Identification of the formate dehydrogenases and genetic determinants of formate-dependent nitrite reduction by Escherichia coli K12.  
AU Darwin, A.; Tormay, P.; Page, L.; Griffiths, L.; Cole, J. (1)  
CS (1) Sch. Biochemistry, Univ. Birmingham, Birmingham B15 2TT UK  
SO Journal of General Microbiology, (1993) Vol. 139, No. 8, pp. 1829-1840.  
ISSN: 0022-1287.  
DT Article  
LA English

L6 ANSWER 8 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.  
AN 1993:482740 BIOSIS  
DN PREV199396116340  
TI Membrane-associated NADH dehydrogenase activities in Rhodobacter capsulatus: Purification of a dihydrolipoyl dehydrogenase.  
AU Berks, Ben C.; McEwan, Alastair G.; Ferguson, Stuart J. (1)  
CS (1) Dep. Biochemistry, Univ. Oxford, South Parks Road, Oxford OX1 3QU UK  
SO Journal of General Microbiology, (1993) Vol. 139, No. 8, pp. 1841-1851.  
ISSN: 0022-1287.  
DT Article  
LA English

=> FIL STNGUIDE

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
32.76	32.97

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=> d 16 5 ab

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L6 ANSWER 5 OF 8 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AB The thioredoxin-catalyzed insulin reduction by dihydrolipoate was applied to study the 2-oxoacid:lipoate oxidoreductase activity of 2-**oxoacid dehydrogenase complexes**. The enzymatic and non-enzymatic mechanisms of the transfer of reducing equivalents from the complexes to free lipoic acid (alpha-lipoic acid, 6,8-thiooctic acid) were distinguished using the high stereoselectivity of the complex enzymes to the R-enantiomer of lipoate. Unlike these enzymes, thioredoxin from *E. coli* exhibited no stereoselectivity upon reduction with chemically obtained dihydrolipoate. However, coupled to the dihydrolipoate production by the dehydrogenase complexes, the process was essentially sensitive both to the enantiomer used and the dihydrolipoyl dehydrogenase activity of the complexes. These results indicated the involvement of the third complex component, dihydrolipoyl dehydrogenase, in the 2-oxoacid-dependent dihydrolipoate formation. The implication of the investigated reaction for a connection between thioredoxin and the 2-**oxoacid dehydrogenase complexes** in the mitochondrial metabolism are discussed.